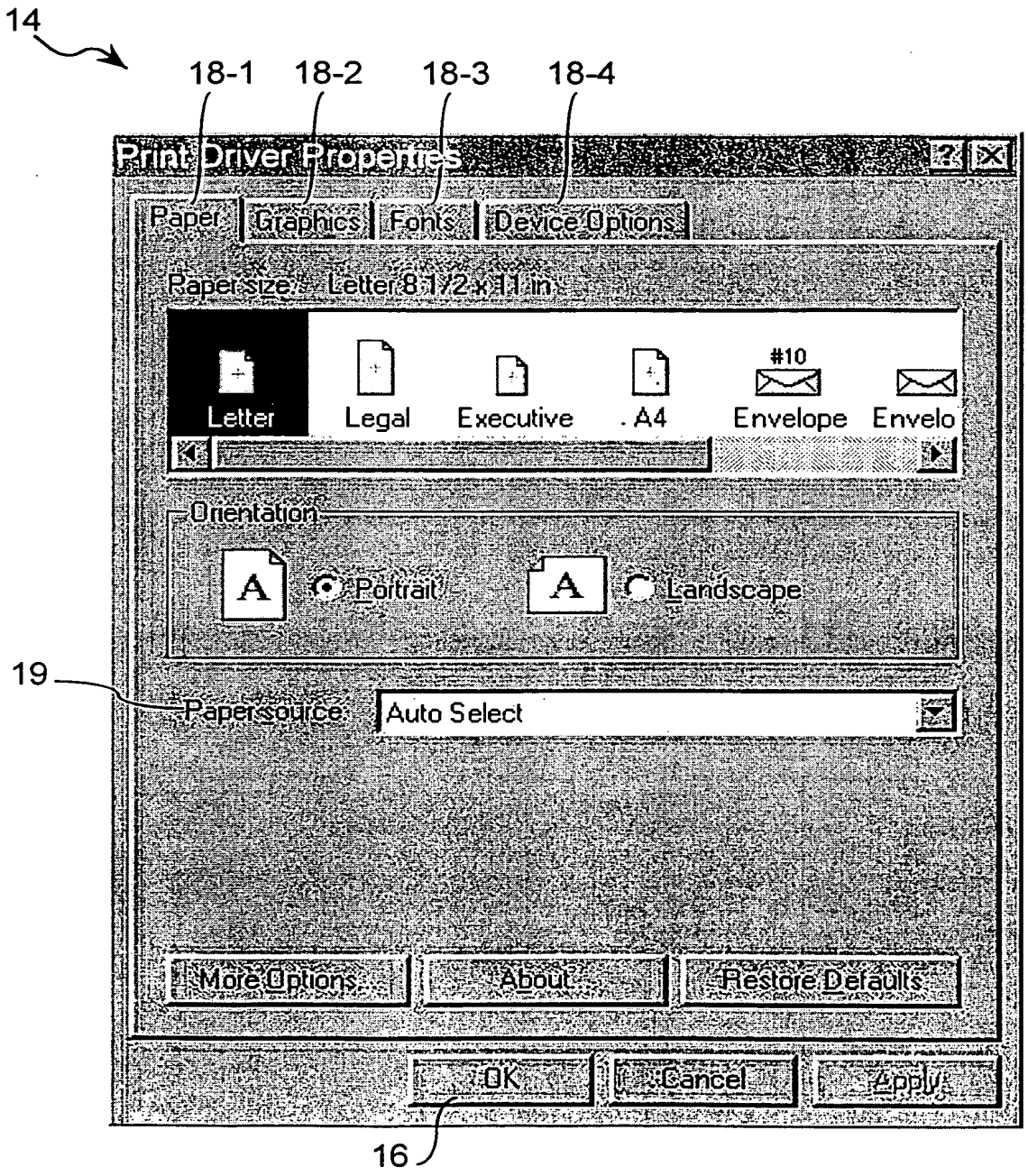
14
18-1
18-2
18-3
18-4
Print Driver Properties
Paper
Graphics
Fonts
Device Options
Paper size: Letter 8 1/2 x 11 in
Letter
Legal
Executive
A4
#10
Envelope
Envelo
Orientation
Portrait
Landscape
19
Paper source:
Auto Select
More Options
About
Restore Defaults
OK
Cancel
Apply
16

FIG. 1

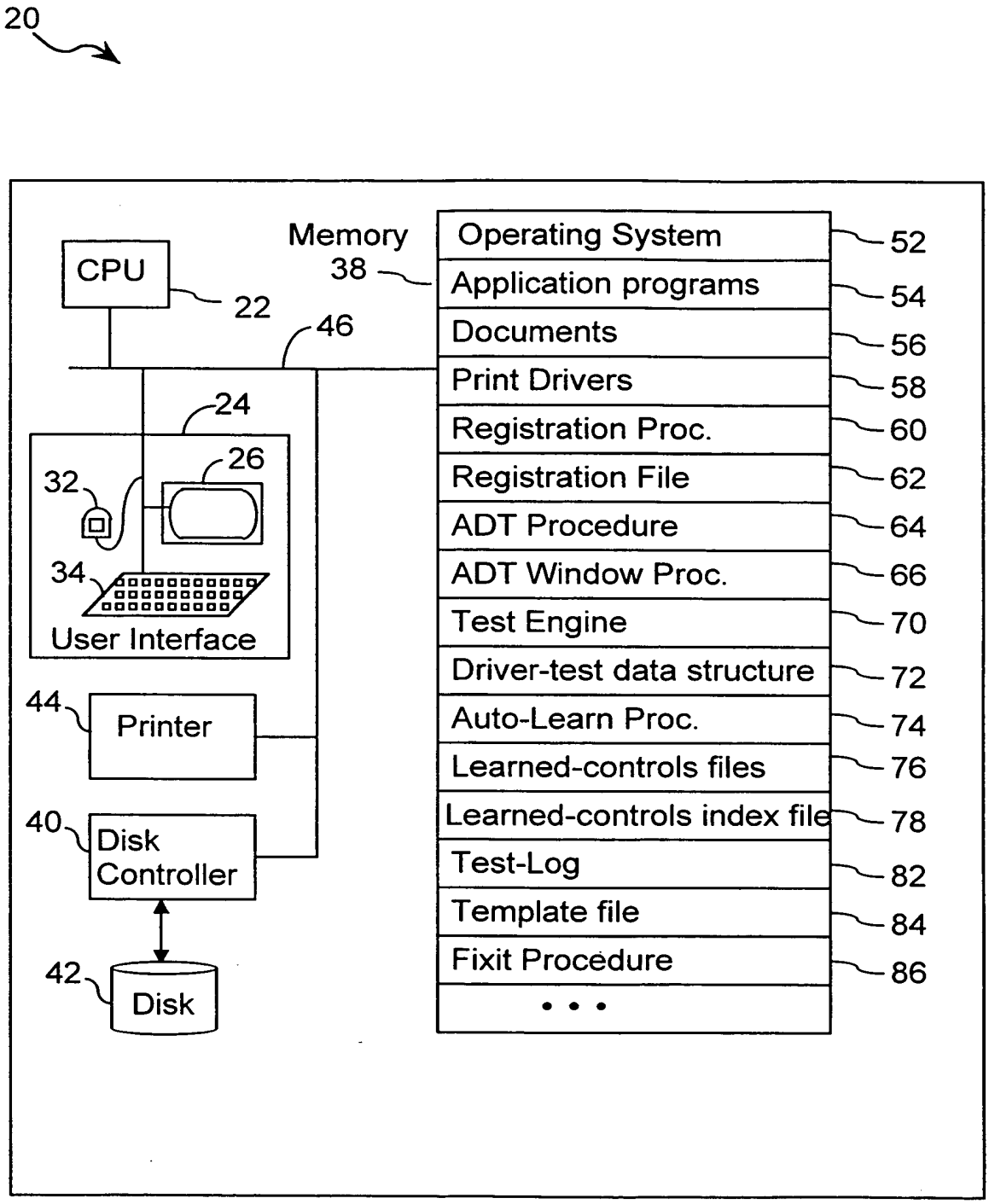
20
CPU
22
Memory
38
46
24
26
32
34
User Interface
44
Printer
40
Disk
Controller
42
Disk
Operating System
52
Application programs
54
Documents
56
Print Drivers
58
Registration Proc.
60
Registration File
62
ADT Procedure
64
ADT Window Proc.
66
Test Engine
70
Driver-test data structure
72
Auto-Learn Proc.
74
Learned-controls files
76
Learned-controls index file
78
Test-Log
82
Template file
84
Fixit Procedure
86
• • •

FIG. 2

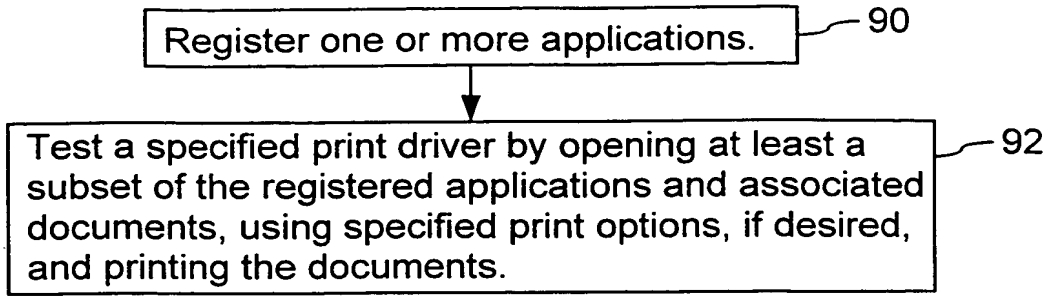
Register one or more applications.
90
Test a specified print driver by opening at least a subset of the registered applications and associated documents, using specified print options, if desired, and printing the documents.
92

FIG. 3

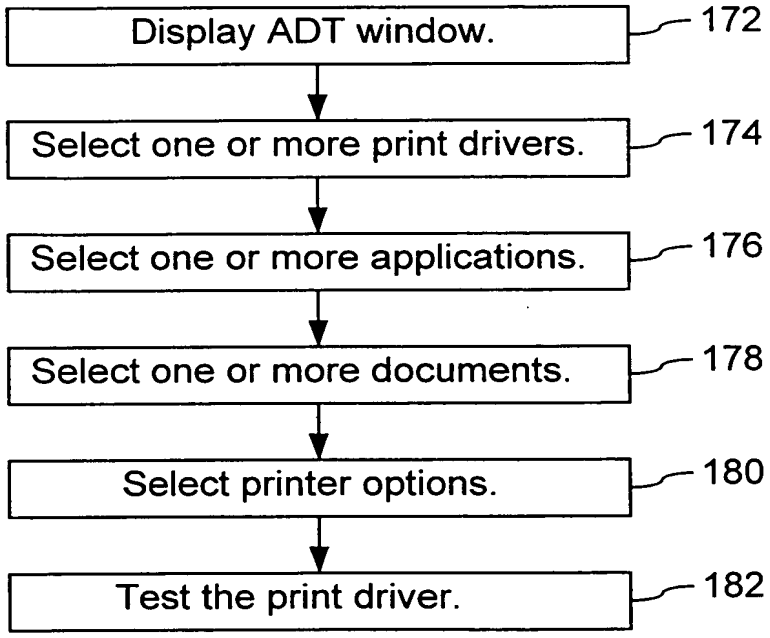
Display ADT window.
172
Select one or more print drivers.
174
Select one or more applications.
176
Select one or more documents.
178
Select printer options.
180
Test the print driver.
182

FIG. 5

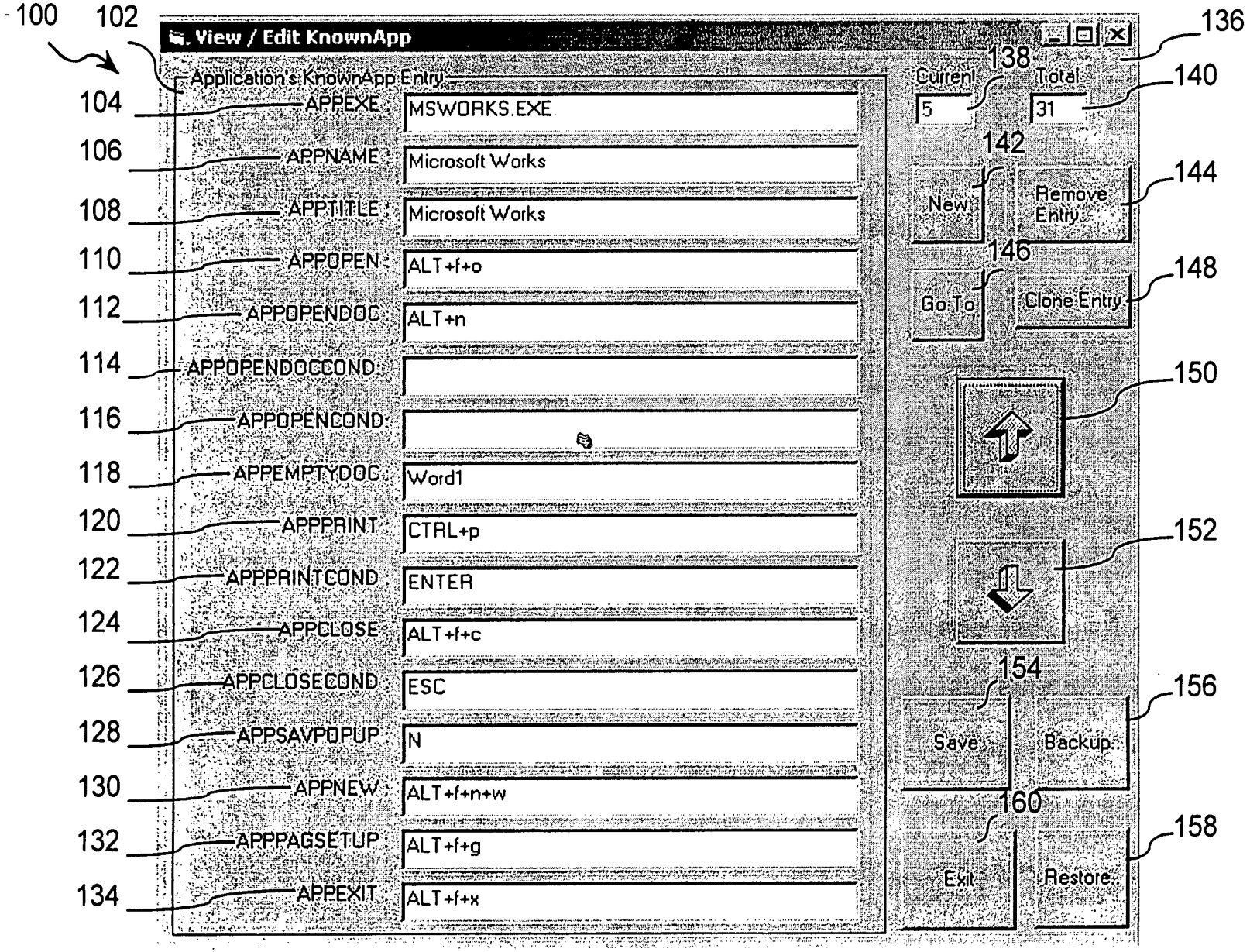
100
102
View / Edit KnownApp
Application's KnownApp Entry
104
APPEXE:
MSWORKS.EXE
106
APPNAME:
Microsoft Works
108
APPTITLE:
Microsoft Works
110
APPOPEN:
ALT+f+o
112
APPOPENDOC:
ALT+n
114
APPOPENDOCCOND:
116
APPOPENCOND:
118
APPEMPTYDOC:
Word1
120
APPPRINT:
CTRL+p
122
APPPRINTCOND:
ENTER
124
APPCLOSE:
ALT+f+c
126
APPCLOSECOND:
ESC
128
APPSAVPOPUP:
N
130
APPNEW:
ALT+f+n+w
132
APPPAGSETUP:
ALT+f+g
134
APPEXIT:
ALT+f+x
136
138
Current
5
140
Total
31
142
New
144
Remove Entry
146
Go To
148
Clone Entry
150
152
154
Save
156
Backup
160
Exit
158
Restore

FIG. 4A

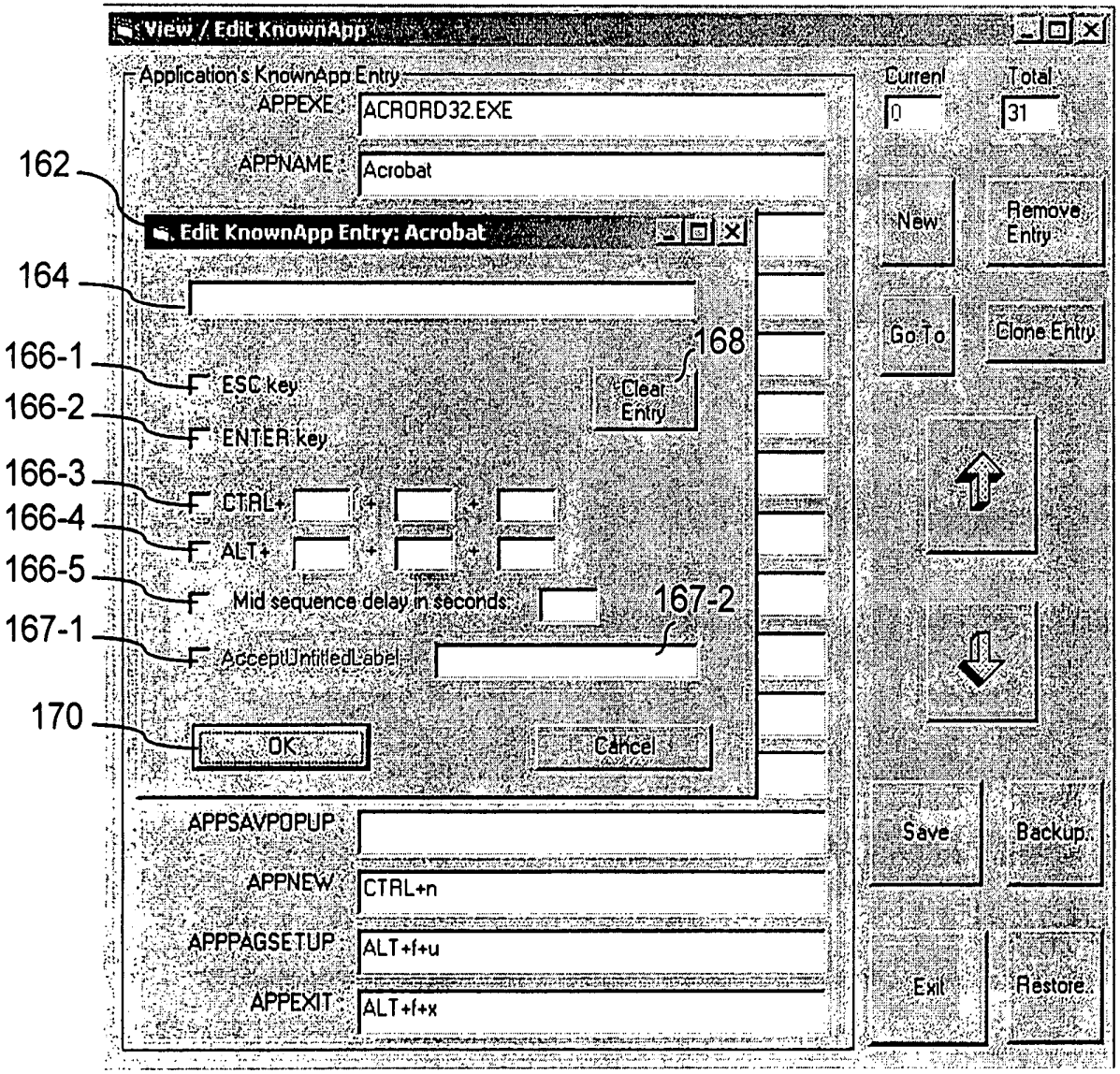
View / Edit KnownApp
Application's KnownApp Entry
APPEXE
ACRORD32.EXE
APPNAME
Acrobat
Current
0
Total
31
New
Remove Entry
Go To
Clone Entry
162
Edit KnownApp Entry: Acrobat
164
168
166-1
ESC key
Clear Entry
166-2
ENTER key
166-3
CTRL+
166-4
ALT+
166-5
Mid sequence delay in seconds:
167-2
167-1
AcceptUntitledLabel
170
OK
Cancel
APPSAVPOPUP
APPNEW
CTRL+n
APPPAGSETUP
ALT+f+u
APPEXIT
ALT+f+x
Save
Backup
Exit
Restore

FIG. 4B

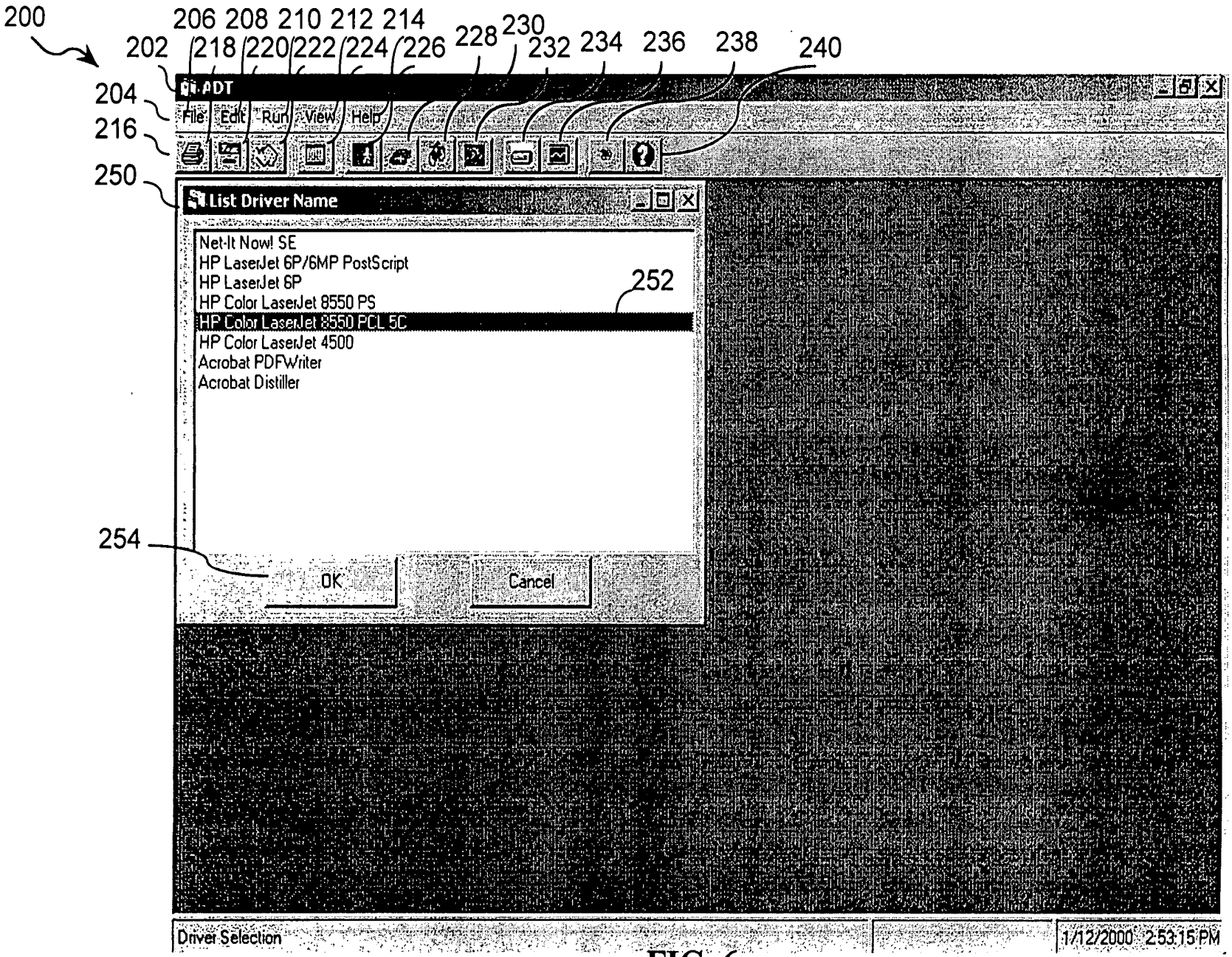
200
206 208 210 212 214
202 218 220 222 224 226 228 230 232 234 236 238 240
204
216
250
ADT
File Edit Run View Help
List Driver Name
Net-It Now! SE
HP LaserJet 6P/6MP PostScript
HP LaserJet 6P
HP Color LaserJet 8550 PS
HP Color LaserJet 8550 PCL 5C
HP Color LaserJet 4500
Acrobat PDFWriter
Acrobat Distiller
252
254
OK
Cancel
Driver Selection
1/12/2000 2:53:15 PM

FIG. 6

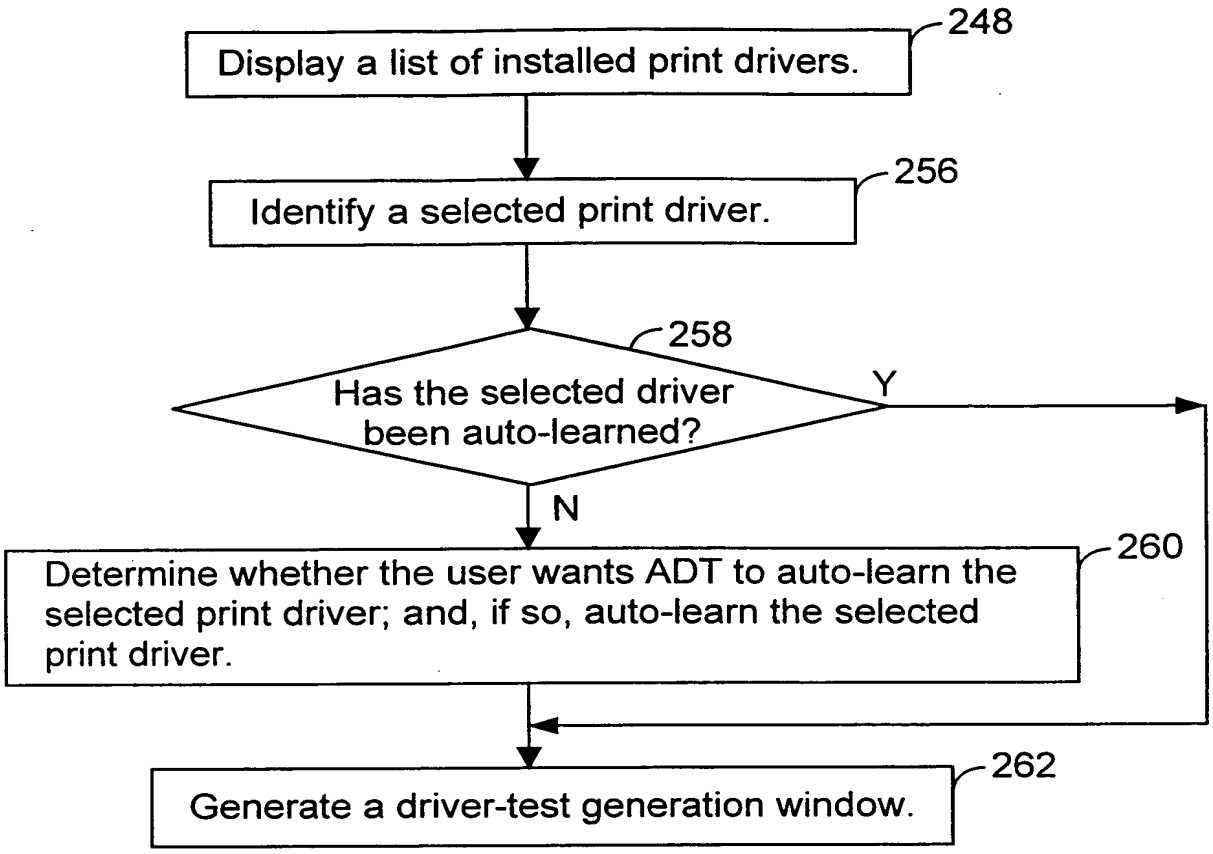
248
Display a list of installed print drivers.
256
Identify a selected print driver.
258
Has the selected driver been auto-learned?
Y
N
260
Determine whether the user wants ADT to auto-learn the selected print driver; and, if so, auto-learn the selected print driver.
262
Generate a driver-test generation window.

FIG. 7

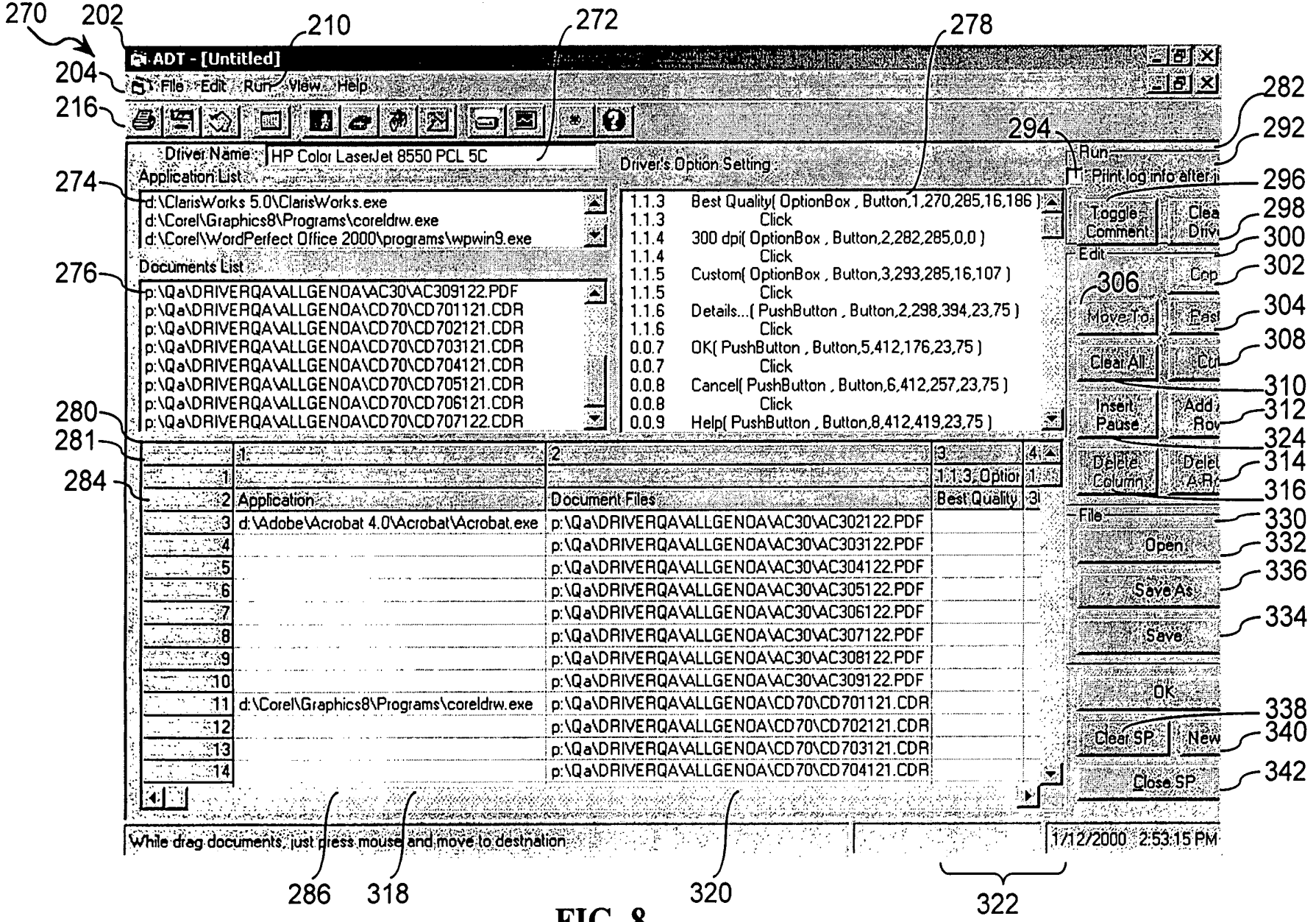
270
202
210
272
278
204
216
282
294
292
ADT - [Untitled]
File Edit Run View Help
Driver Name
HP Color LaserJet 8550 PCL 5C
Driver's Option Setting
Run
Print log info after
274
Application List
d:\ClarisWorks 5.0\ClarisWorks.exe
d:\Corel\Graphics8\Programs\coreldrw.exe
d:\Corel\WordPerfect Office 2000\programs\wpwin9.exe
1.1.3 Best Quality(OptionBox , Button,1,270,285,16,186)
1.1.3 Click
1.1.4 300 dpi(OptionBox , Button,2,282,285,0,0)
1.1.4 Click
1.1.5 Custom(OptionBox , Button,3,293,285,16,107)
1.1.5 Click
1.1.6 Details...(PushButton , Button,2,298,394,23,75)
1.1.6 Click
0.0.7 OK(PushButton , Button,5,412,176,23,75)
0.0.7 Click
0.0.8 Cancel(PushButton , Button,6,412,257,23,75)
0.0.8 Click
0.0.9 Help(PushButton , Button,8,412,419,23,75)
Toggle Comment
Clea
Driv
296
298
300
276
Documents List
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC309122.PDF
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD701121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD702121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD703121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD704121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD705121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD706121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD707122.CDR
Edit
306
Cop
Move To
Fast
302
304
280
281
284
1
2
3
4
1.1.3 Optior
Best Quality
Application
Document Files
d:\Adobe\Acrobat 4.0\Acrobat\Acrobat.exe
d:\Corel\Graphics8\Programs\coreldrw.exe
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC302122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC303122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC304122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC305122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC306122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC307122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC308122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC309122.PDF
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD701121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD702121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD703121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD704121.CDR
Clear All
Cut
308
310
Insert Pause
Add Rov
312
324
Delete Column
Delet A R
314
316
File
Open
Save As
Save
330
332
336
334
OK
Clear SP
New
338
340
Close SP
342
While drag documents, just press mouse and move to destnation
1/12/2000 2:53:15 PM
286
318
320
322

FIG. 8

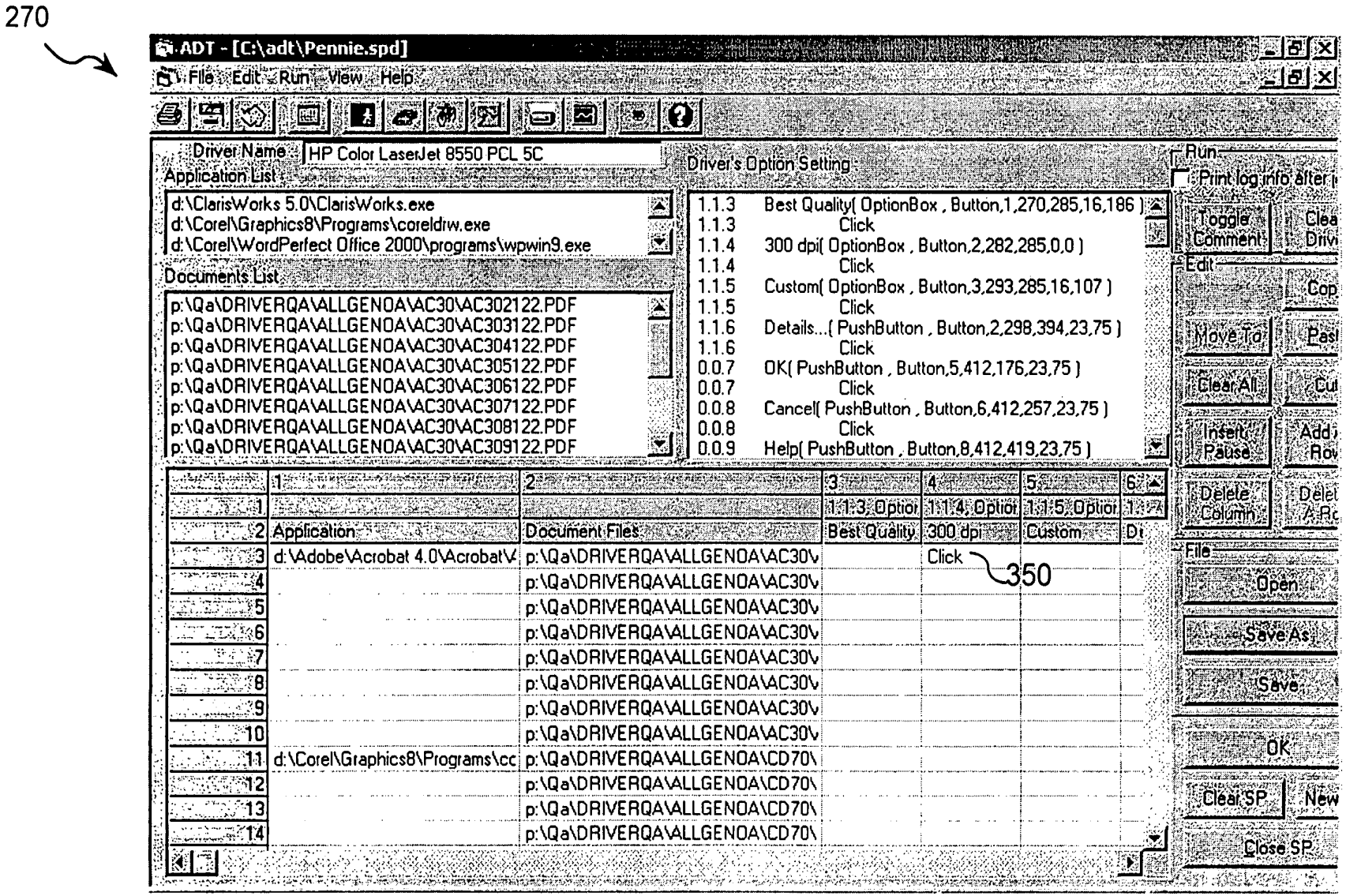
270
ADT - [C:\adt\Pennie.spd]
File Edit Run View Help
Driver Name: HP Color LaserJet 8550 PCL 5C
Application List:
d:\ClarisWorks 5.0\ClarisWorks.exe
d:\Corel\Graphics8\Programs\coreldrw.exe
d:\Corel\WordPerfect Office 2000\programs\wpwin9.exe
Documents List:
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC302122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC303122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC304122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC305122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC306122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC307122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC308122.PDF
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC309122.PDF
Driver's Option Setting:
1.1.3 Best Quality(OptionBox , Button,1,270,285,16,186)
1.1.3 Click
1.1.4 300 dpi(OptionBox , Button,2,282,285,0,0)
1.1.4 Click
1.1.5 Custom(OptionBox , Button,3,293,285,16,107)
1.1.5 Click
1.1.6 Details...(PushButton , Button,2,298,394,23,75)
1.1.6 Click
0.0.7 OK(PushButton , Button,5,412,176,23,75)
0.0.7 Click
0.0.8 Cancel(PushButton , Button,6,412,257,23,75)
0.0.8 Click
0.0.9 Help(PushButton , Button,8,412,419,23,75)
1 2 3 4 5 6
1 1.1.3, Optior 1.1.4, Optior 1.1.5, Optior
2 Application Document Files Best Quality 300 dpi Custom
3 d:\Adobe\Acrobat 4.0\Acrobat\A p:\Qa\DRIVERQA\ALLGENOA\AC30\ Click
4 p:\Qa\DRIVERQA\ALLGENOA\AC30\
5 p:\Qa\DRIVERQA\ALLGENOA\AC30\
6 p:\Qa\DRIVERQA\ALLGENOA\AC30\
7 p:\Qa\DRIVERQA\ALLGENOA\AC30\
8 p:\Qa\DRIVERQA\ALLGENOA\AC30\
9 p:\Qa\DRIVERQA\ALLGENOA\AC30\
10 p:\Qa\DRIVERQA\ALLGENOA\AC30\
11 d:\Corel\Graphics8\Programs\cc p:\Qa\DRIVERQA\ALLGENOA\CD70\
12 p:\Qa\DRIVERQA\ALLGENOA\CD70\
13 p:\Qa\DRIVERQA\ALLGENOA\CD70\
14 p:\Qa\DRIVERQA\ALLGENOA\CD70\
350
Run
Print log info after
Toggle Comment
Edit
Move To
Clear All
Insert Pause
Delete Column
File
Open
Save As
Save
OK
Clear SP
Close SP

FIG. 9

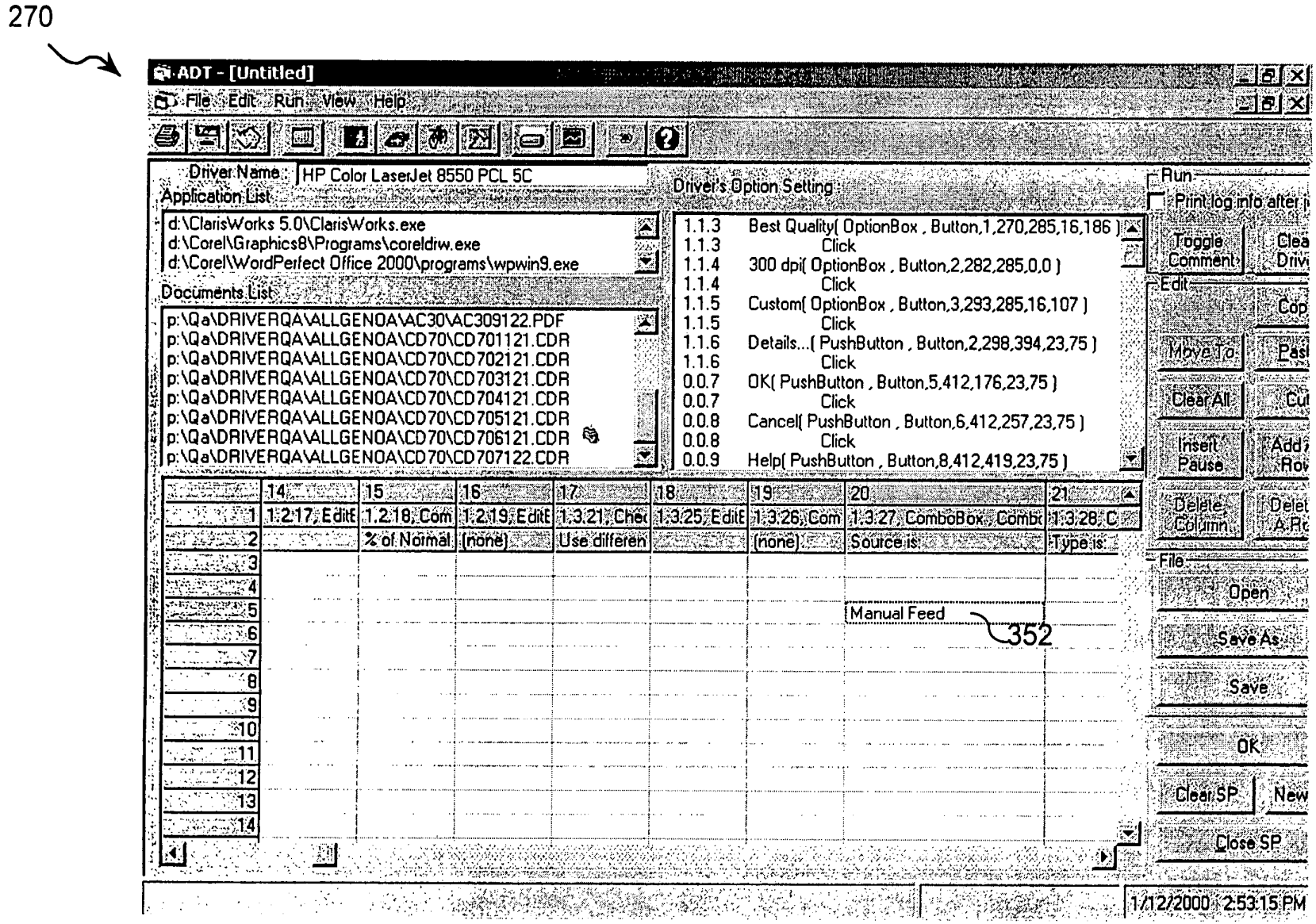
270
ADT - [Untitled]
File Edit Run View Help
Driver Name: HP Color LaserJet 8550 PCL 5C
Application List
d:\ClarisWorks 5.0\ClarisWorks.exe
d:\Corel\Graphics8\Programs\coreldrw.exe
d:\Corel\WordPerfect Office 2000\programs\wpwin9.exe
Documents List
p:\Qa\DRIVERQA\ALLGENOA\AC30\AC309122.PDF
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD701121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD702121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD703121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD704121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD705121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD706121.CDR
p:\Qa\DRIVERQA\ALLGENOA\CD70\CD707122.CDR
Driver's Option Setting:
1.1.3 Best Quality(OptionBox , Button,1,270,285,16,186)
1.1.3 Click
1.1.4 300 dpi(OptionBox , Button,2,282,285,0,0)
1.1.4 Click
1.1.5 Custom(OptionBox , Button,3,293,285,16,107)
1.1.5 Click
1.1.6 Details...(PushButton , Button,2,298,394,23,75)
1.1.6 Click
0.0.7 OK(PushButton , Button,5,412,176,23,75)
0.0.7 Click
0.0.8 Cancel(PushButton , Button,6,412,257,23,75)
0.0.8 Click
0.0.9 Help(PushButton , Button,8,412,419,23,75)
14 15 16 17 18 19 20 21
1 1.2.17, Edit 1.2.18, Com 1.2.19, Edit 1.3.21, Che 1.3.25, Edit 1.3.26, Com 1.3.27, ComboBox, Combo 1.3.28, C
2 % of Normal (none) Use differen (none) Source is: Type is:
Manual Feed
352
Run
Print log info after
Toggle Comment
Edit
Move To
Clear All
Insert Pause
Delete Column
File
Open
Save As
Save
OK
Clear SP
New
Close SP
1/12/2000 2:53:15 PM

FIG. 10

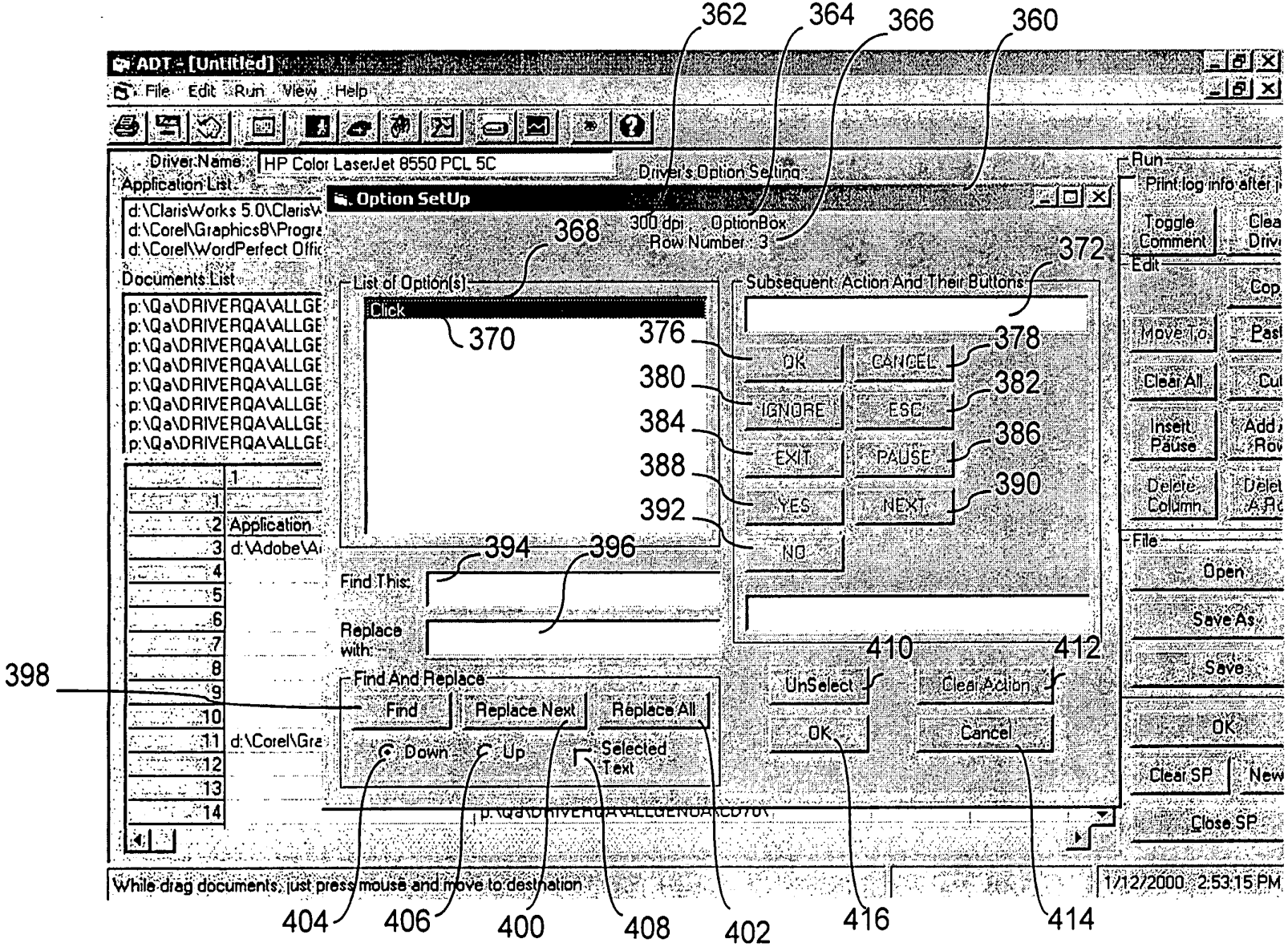
362
364
366
360
ADT - [Untitled]
File Edit Run View Help
Driver Name: HP Color LaserJet 8550 PCL 5C
Driver's Option Setting
Application List
d:\ClarisWorks 5.0\ClarisW
d:\Corel\Graphics8\Progra
d:\Corel\WordPerfect Offic
Documents List
p:\Qa\DRIVERQA\ALLGE
Option SetUp
300 dpi OptionBox
Row Number 3
368
372
List of Option(s)
Click
370
Subsequent Action And Their Buttons
376
OK
CANCEL
378
380
IGNORE
ESC
382
384
EXIT
PAUSE
386
388
YES
NEXT
390
392
NO
394
396
Find This:
Replace with:
398
Find And Replace
Find
Replace Next
Replace All
410
412
UnSelect
Clear Action
OK
Cancel
Down
Up
Selected Text
404
406
400
408
402
416
414
Run
Print log info after
Toggle Comment
Edit
Move To
Clear All
Insert Pause
Delete Column
File
Open
Save As
Save
OK
Clear SP
Close SP
While drag documents, just press mouse and move to destination
1/12/2000 2:53:15 PM

FIG. 11

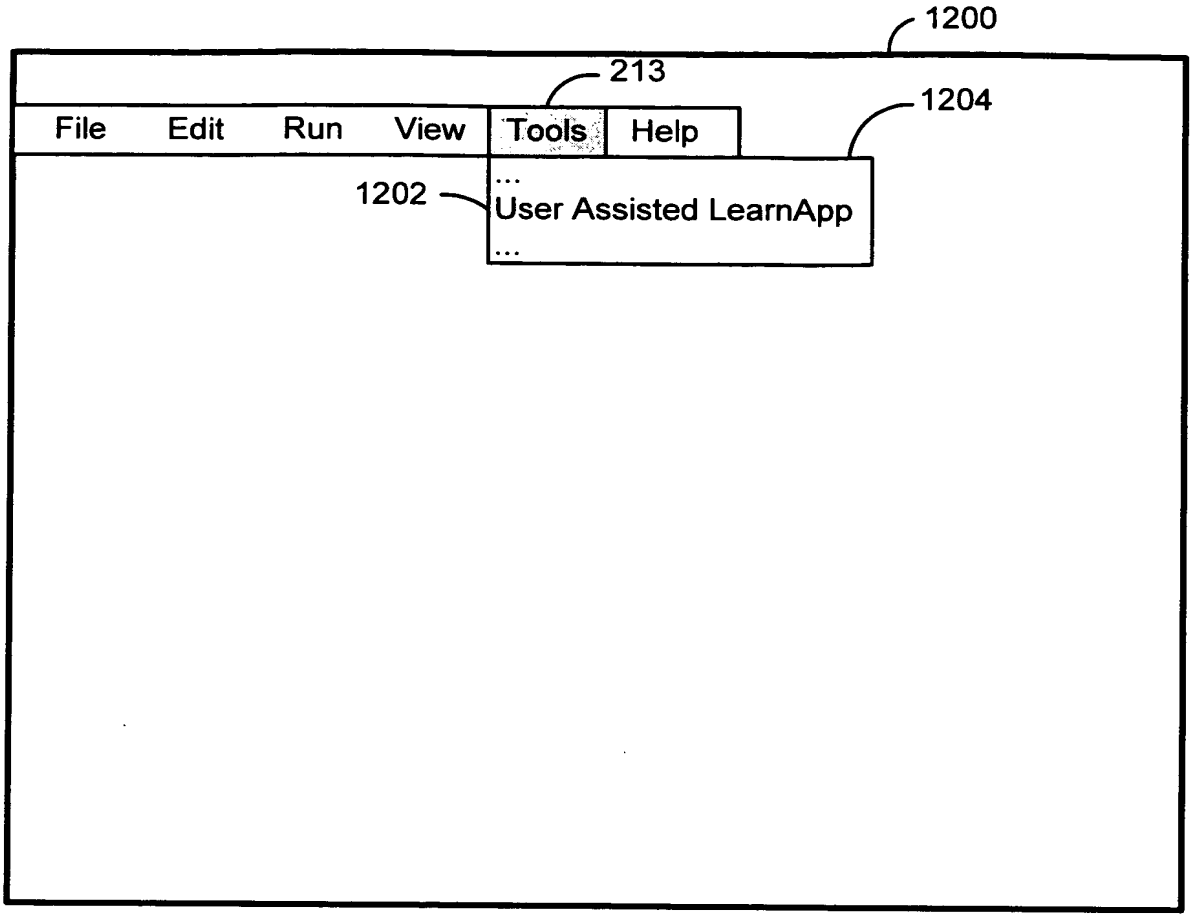
1200
213
1204
File
Edit
Run
View
Tools
Help
1202
...
User Assisted LearnApp
...

FIG. 12A

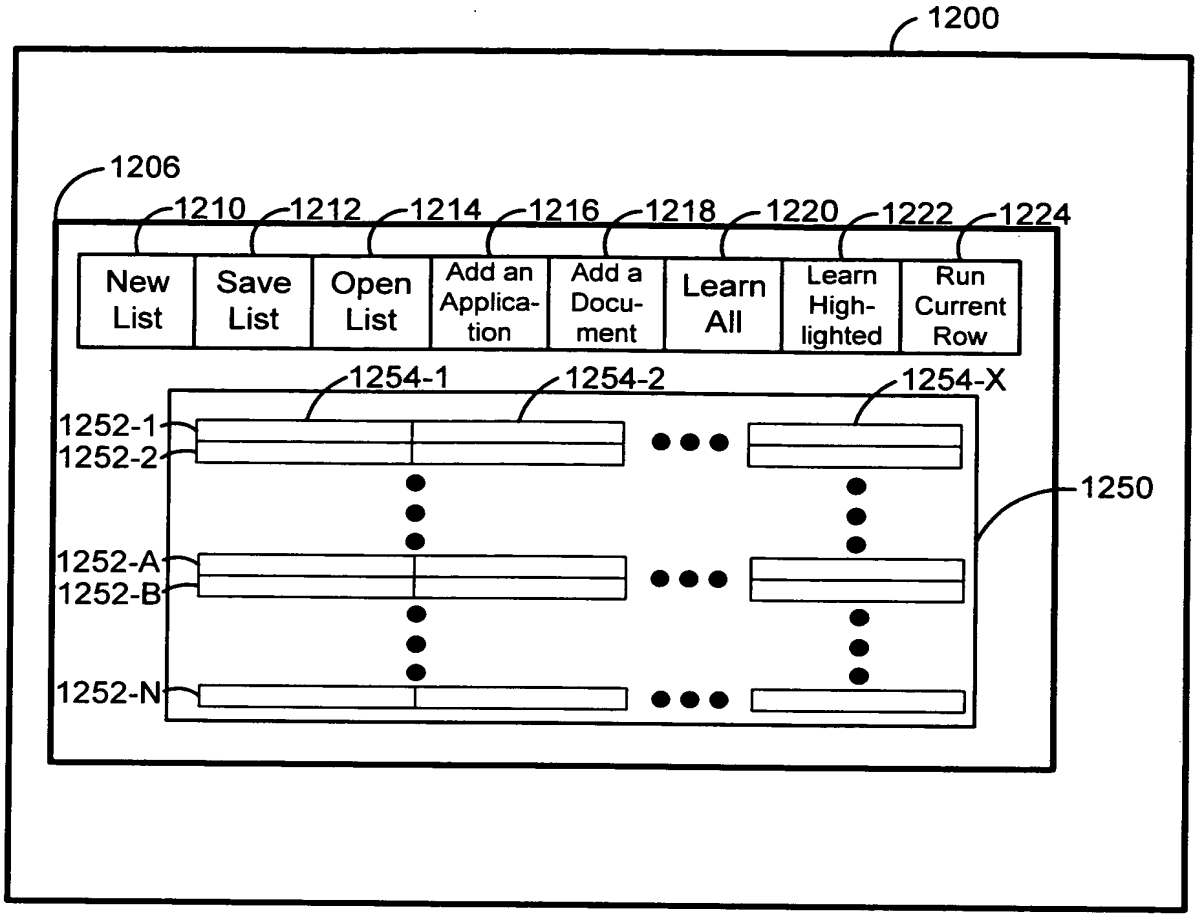
1200
1206
1210
1212
1214
1216
1218
1220
1222
1224
New List
Save List
Open List
Add an Applica-tion
Add a Docu-ment
Learn All
Learn High-lighted
Run Current Row
1254-1
1254-2
1254-X
1252-1
1252-2
1252-A
1252-B
1252-N
1250

FIG. 12B

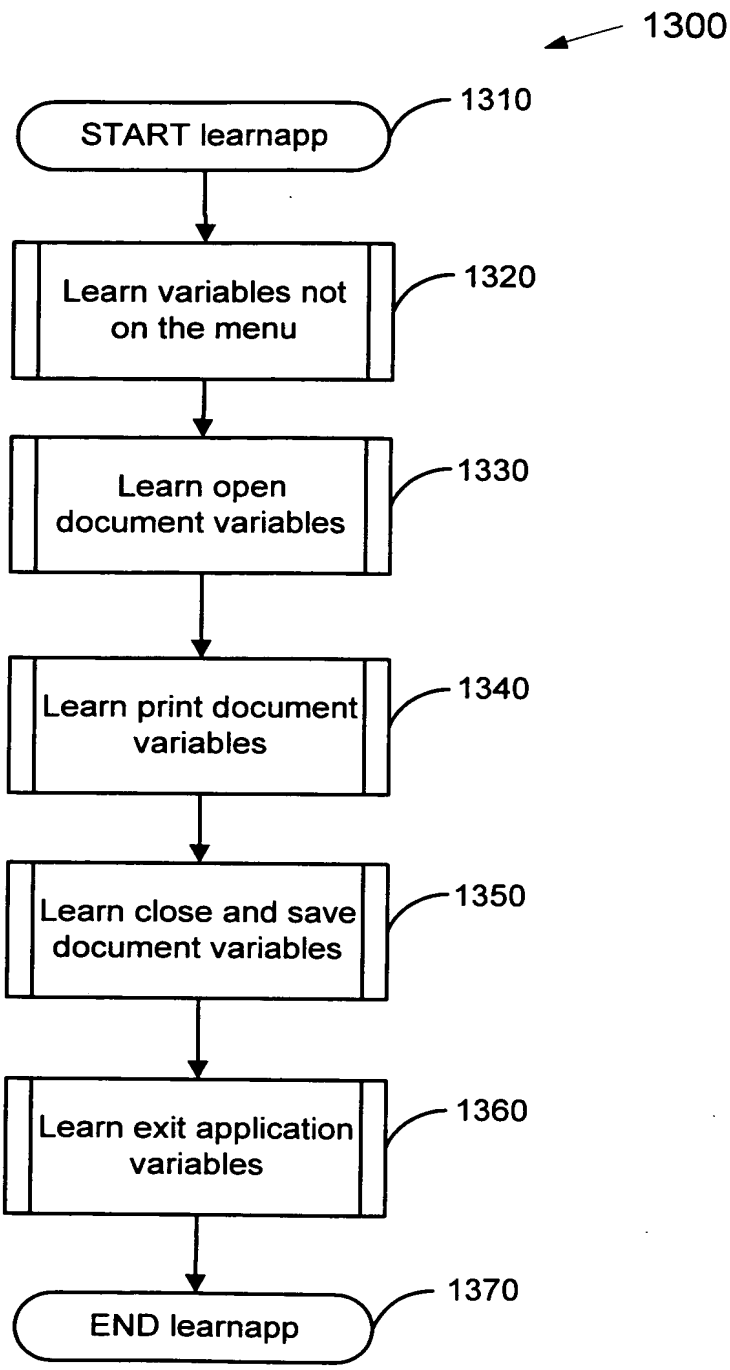
1300
START learnapp
1310
Learn variables not on the menu
1320
Learn open document variables
1330
Learn print document variables
1340
Learn close and save document variables
1350
Learn exit application variables
1360
END learnapp
1370

FIG. 13

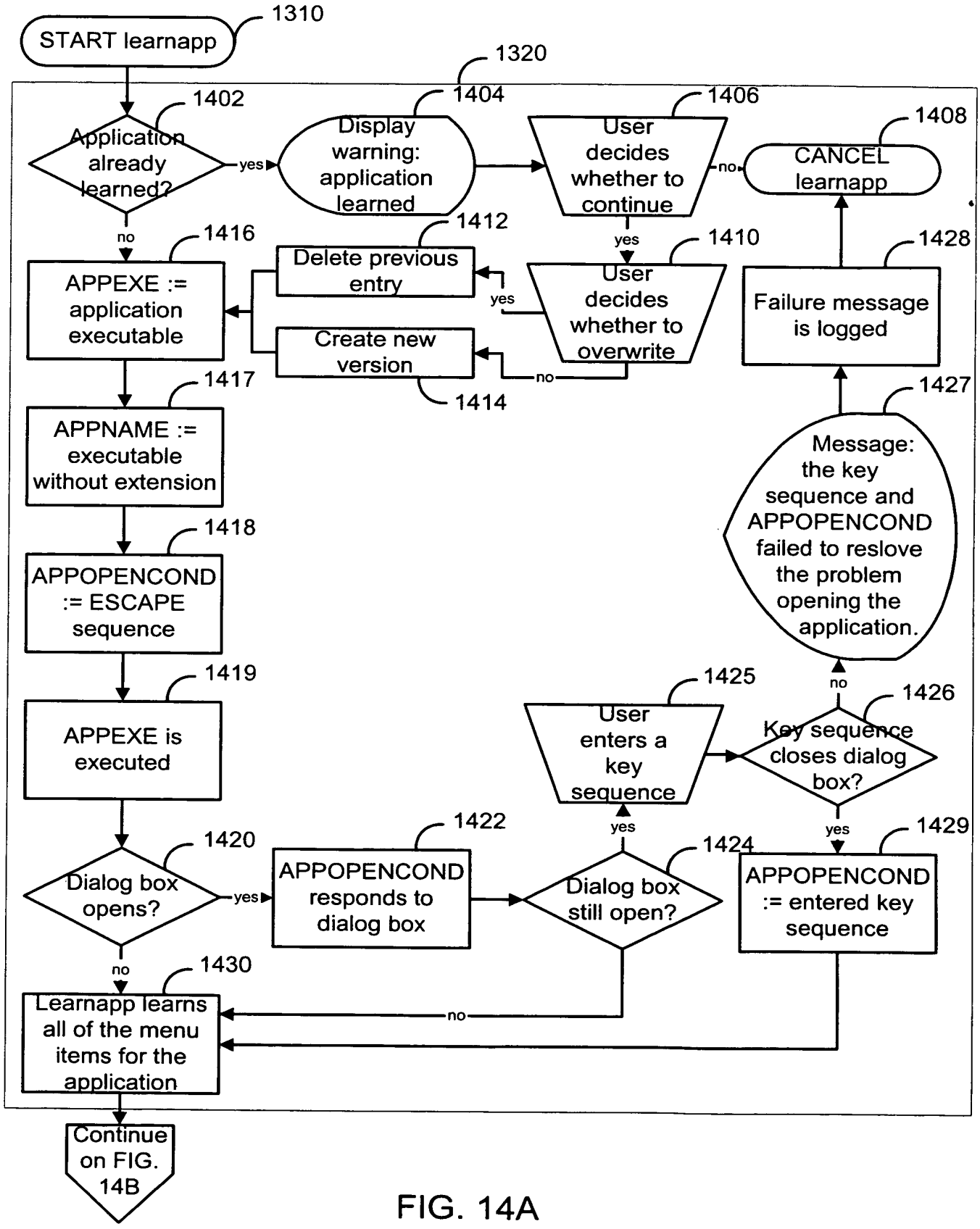
START learnapp
1310
1320
Application already learned?
1402
yes
Display warning: application learned
1404
User decides whether to continue
1406
no
CANCEL learnapp
1408
no
yes
User decides whether to overwrite
1410
Delete previous entry
1412
yes
Create new version
no
1414
APPEXE := application executable
1416
Failure message is logged
1428
APPNAME := executable without extension
1417
Message: the key sequence and APPOPENCOND failed to reslove the problem opening the application.
1427
APPOPENCOND := ESCAPE sequence
1418
no
User enters a key sequence
1425
Key sequence closes dialog box?
1426
APPEXE is executed
1419
yes
yes
Dialog box opens?
1420
yes
APPOPENCOND responds to dialog box
1422
Dialog box still open?
1424
APPOPENCOND := entered key sequence
1429
no
Learnapp learns all of the menu items for the application
1430
no
Continue on FIG. 14B

FIG. 14A

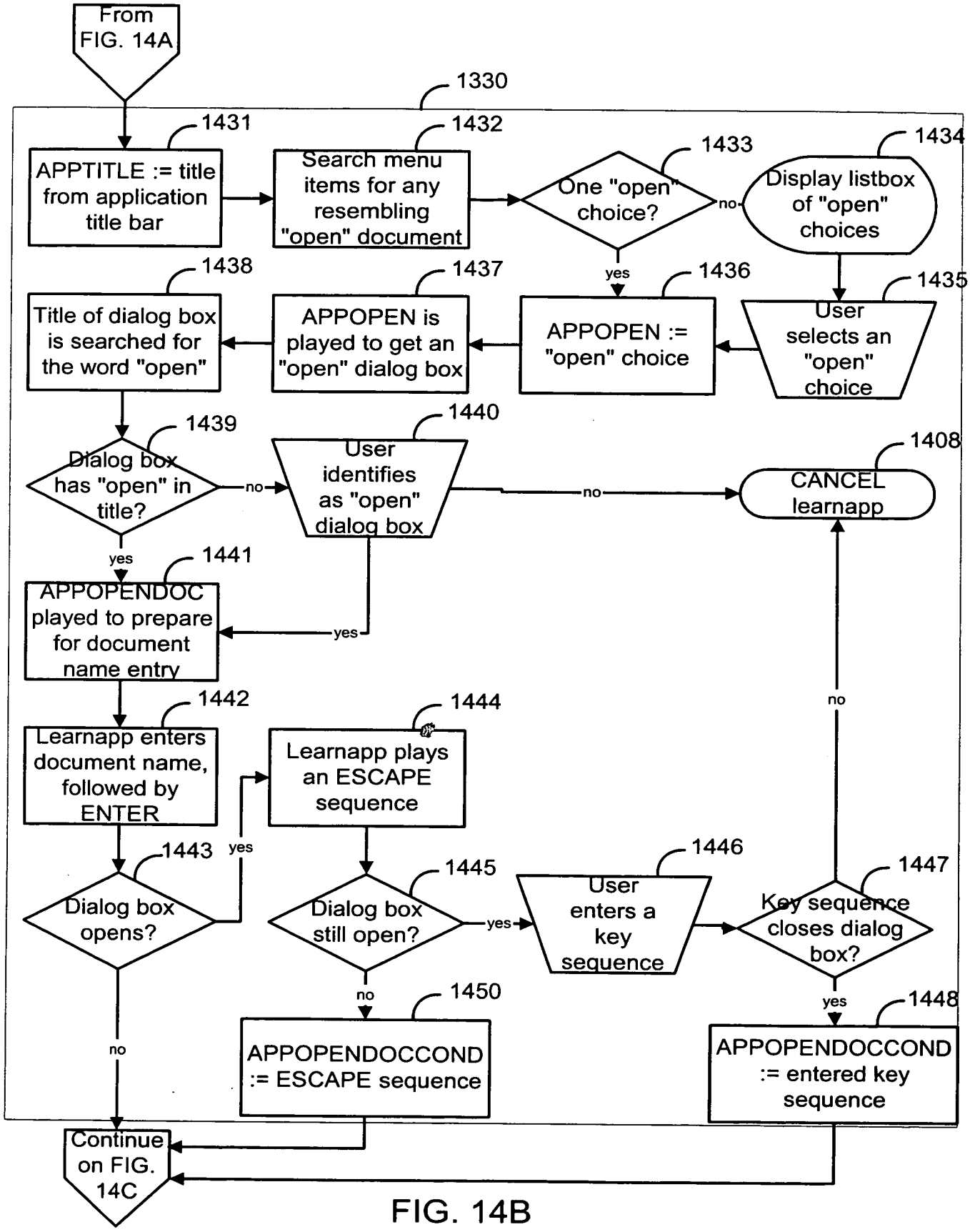
From FIG. 14A
1330
1431
APPTITLE := title from application title bar
1432
Search menu items for any resembling "open" document
1433
One "open" choice?
no
1434
Display listbox of "open" choices
yes
1436
APPOPEN := "open" choice
1435
User selects an "open" choice
1438
Title of dialog box is searched for the word "open"
1437
APPOPEN is played to get an "open" dialog box
1439
Dialog box has "open" in title?
no
1440
User identifies as "open" dialog box
no
1408
CANCEL learnapp
yes
1441
APPOPENDOC played to prepare for document name entry
yes
1442
Learnapp enters document name, followed by ENTER
1444
Learnapp plays an ESCAPE sequence
1443
Dialog box opens?
yes
1445
Dialog box still open?
yes
1446
User enters a key sequence
1447
Key sequence closes dialog box?
no
yes
1448
APPOPENDOCCOND := entered key sequence
no
1450
APPOPENDOCCOND := ESCAPE sequence
no
Continue on FIG. 14C

FIG. 14B

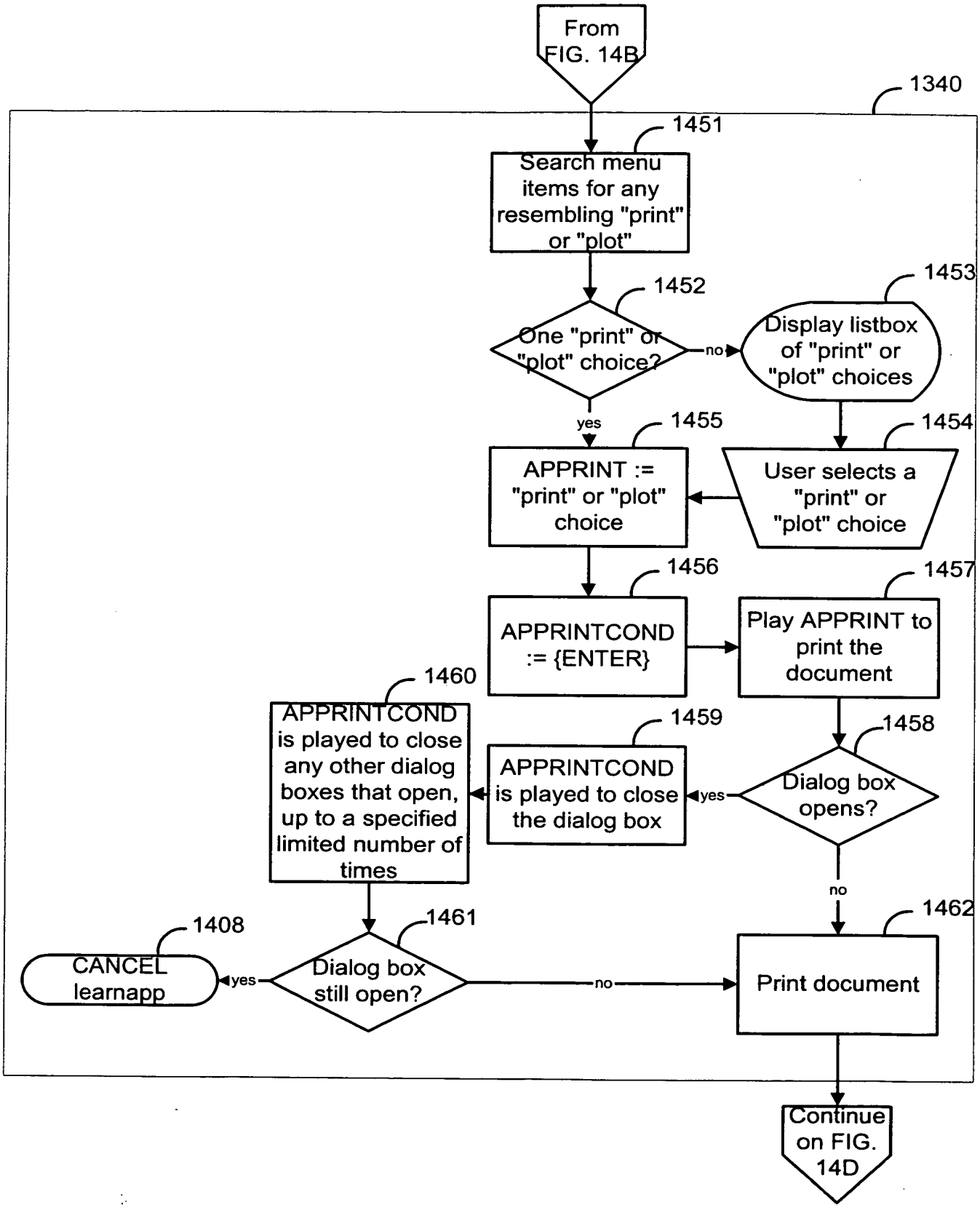
From FIG. 14B
1340
1451
Search menu items for any resembling "print" or "plot"
1452
One "print" or "plot" choice?
no
1453
Display listbox of "print" or "plot" choices
yes
1455
APPRINT := "print" or "plot" choice
1454
User selects a "print" or "plot" choice
1456
APPRINTCOND := {ENTER}
1457
Play APPRINT to print the document
1460
APPRINTCOND is played to close any other dialog boxes that open, up to a specified limited number of times
1459
APPRINTCOND is played to close the dialog box
yes
1458
Dialog box opens?
no
1462
Print document
1408
CANCEL learnapp
yes
1461
Dialog box still open?
no
Continue on FIG. 14D

FIG. 14C

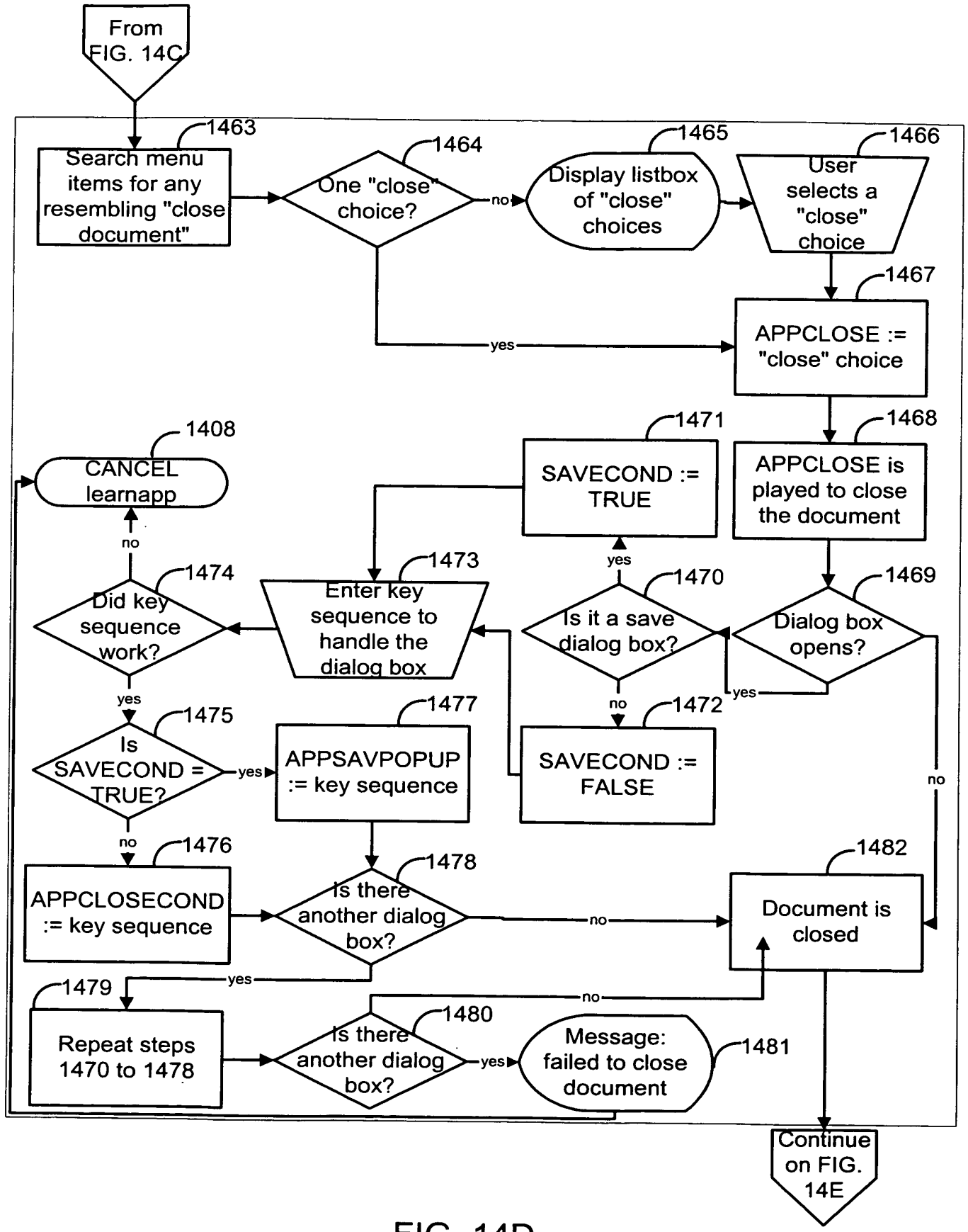
From FIG. 14C
1463
Search menu items for any resembling "close document"
1464
One "close" choice?
no
1465
Display listbox of "close" choices
1466
User selects a "close" choice
yes
1467
APPCLOSE := "close" choice
1468
APPCLOSE is played to close the document
1469
Dialog box opens?
yes
no
1470
Is it a save dialog box?
yes
1471
SAVECOND := TRUE
no
1472
SAVECOND := FALSE
1473
Enter key sequence to handle the dialog box
1474
Did key sequence work?
no
1408
CANCEL learnapp
yes
1475
Is SAVECOND = TRUE?
yes
1477
APPSAVPOPUP := key sequence
no
1476
APPCLOSECOND := key sequence
1478
Is there another dialog box?
no
1482
Document is closed
yes
1479
Repeat steps 1470 to 1478
1480
Is there another dialog box?
yes
1481
Message: failed to close document
no
Continue on FIG. 14E

FIG. 14D

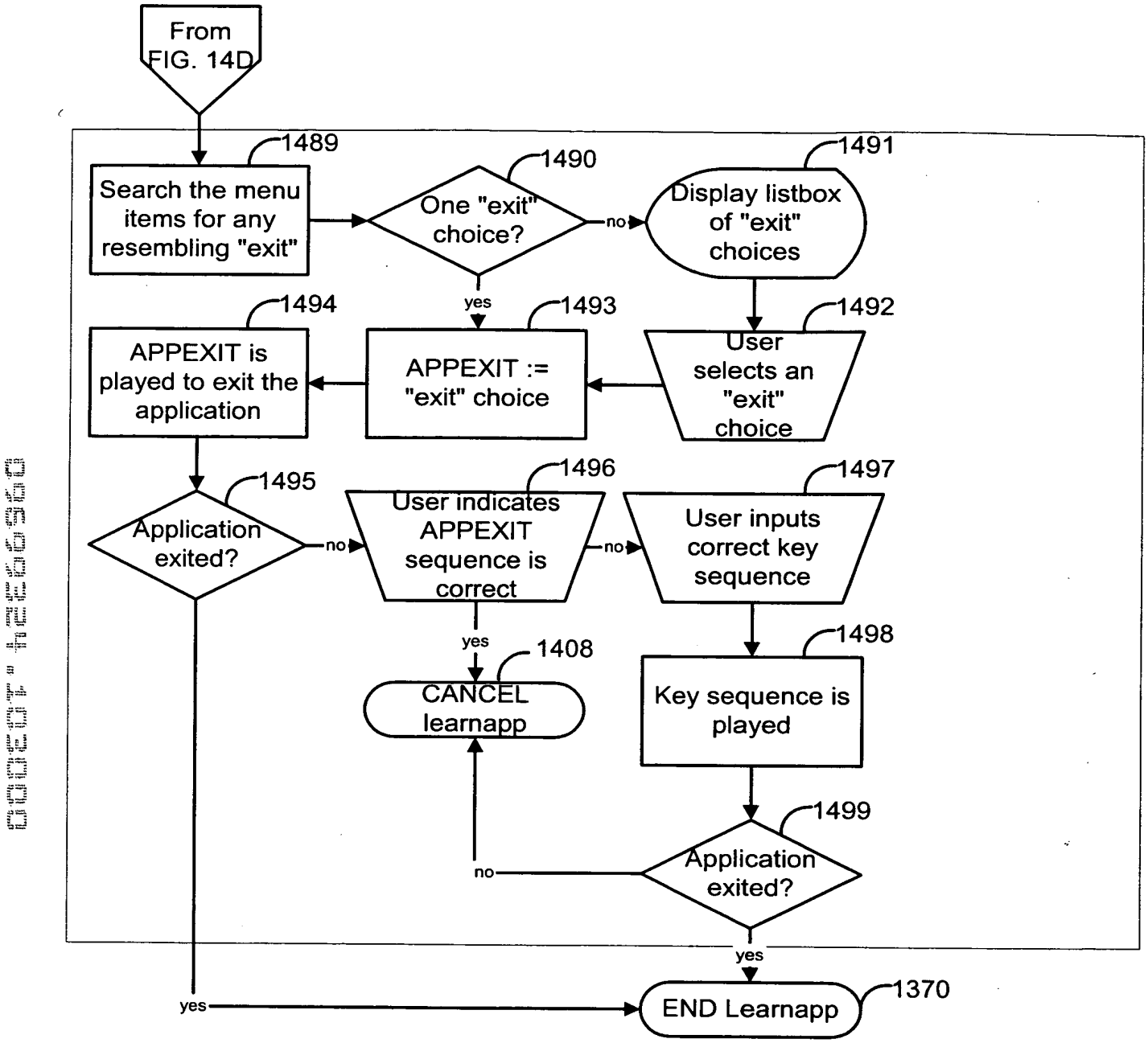
From FIG. 14D
1489
Search the menu items for any resembling "exit"
1490
One "exit" choice?
no
1491
Display listbox of "exit" choices
yes
1494
APPEXIT is played to exit the application
1493
APPEXIT := "exit" choice
1492
User selects an "exit" choice
1495
Application exited?
no
1496
User indicates APPEXIT sequence is correct
no
1497
User inputs correct key sequence
yes
1408
CANCEL learnapp
1498
Key sequence is played
1499
Application exited?
no
yes
yes
END Learnapp
1370

FIG. 14E

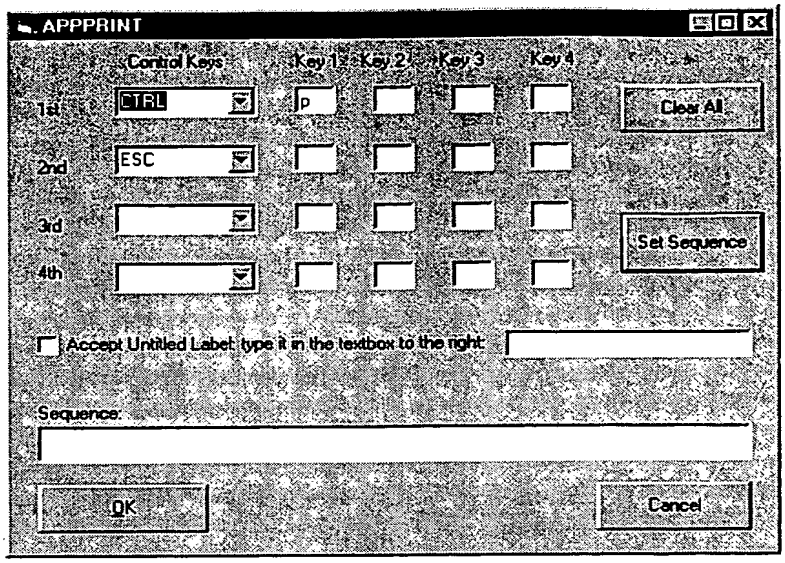
APPPRINT
Control Keys
Key 1
Key 2
Key 3
Key 4
1st
CTRL
p
Clear All
2nd
ESC
3rd
Set Sequence
4th
Accept Untitled Label: type it in the textbox to the right:
Sequence:
OK
Cancel

Fig. 15